(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 8 January 2004 (08.01.2004)

PCT

(10) International Publication Number WO 2004/004236 A2

(51) International Patent Classification7:

H04L 12/28

(21) International Application Number:

PCT/US2003/020794

(22) International Filing Date: 27 June 2003 (27.06.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/392,322

27 June 2002 (27.06.2002) US

- (71) Applicant (for all designated States except US): SNAP-ON TECHNOLOGIES INC. [US/US]; 420 Barclay Boulevard, Lincolnshire, IL 60069 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): LEWIS, Brad [US/US]; 1070 Fitzgerald Avenue, Gilroy, CA 95020 (US).
- (74) Agent: SANTOS, Julian, F.; McDonnell Boehnen Hulbert & Berghoff, 300 South Wacker Drive, Suite 3200, Chicago, IL 60606 (US).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

of inventorship (Rule 4.17(iv)) for US only

Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PORTAL FOR DISTRIBUTING BUSINESS AND PRODUCT INFORMATION

(57) Abstract: A portal for transferring information between a master serer and a third-party client using a transportable replicating server is provided. The portal may be particularly useful for and may provide a significant cost advantage and benefit when access to front and back-office servers is limited or not accessible. The master server may replicate information (e.g., applications and data) from the front and back-office servers to the replicating server. After replication, the replicating server appears to the third-party clients as the front and back-office servers, containing the functionality and data to facilitate front and back-office operations. Being transportable, the replicating server can move from a first location at which the replicating server can communicate with the master server to a second location at which the replicating server may be communicated to the third party devices.



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04L12/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 - H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

| ategory ° | Citation of document, with indication, where appropriate, of | the relevant passages | Relevant to claim No. | |
|---|---|---|-----------------------|--|
| X Y | US 2001/054087 A1 (FLOM MICHA 20 December 2001 (2001-12-20) page 2, paragraph 11 page 3, paragraph 31 -page 4, | 1-3,5-7, 9,27-54 10-15, | | |
| A | page 5, paragraph 54 - paragr | 18-22, 24-26 4,8,16, 17,23 | | |
| | figure 9 | -/ | | |
| X Furt | ther documents are listed in the continuation of box C. | X Patent family members | are listed in annex. | |
| Special ca A docume consid E earlier filling of "L" docume which citatio "O" docume other "P" docume | ategories of cited documents : ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international | "T" later document published after the international filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family | | |
| | actual completion of the international search 6 April 2004 | Date of mailing of the interna 23/04/2004 | tional search report | |
| | malling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl. | Authorized officer Blanco Cardo | D | |



Form PCT/ISA/210 (continuation of second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

In lal Application No PC 17US 03/20794

| | | PC17U\$ 03 | /20794 | | | |
|--|--|-----------------------|---------------------------|--|--|--|
| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | | | | | |
| ategory * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. | | | | |
| | US 6 112 206 A (ZUMBACH LYLE L ET AL) 29 August 2000 (2000-08-29) abstract | 27,40,48 | | | | |
| | column 15, line 20 -column 16, line 67 | | 10-15, 18-22, 24-26 | | | |
| | column 18, line 14 -column 19, line 25 figure 10 | | 24-20 | | | |
| | · · | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | • | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | · | | | | | |
| . | • | | | | | |



INTERNATIONAL SEARCH REPORT



Int al Application No PCT/US 03/20794

| Patent document cited in search report | | Publication date | Patent family member(s) | | Publication date | |
|--|----|---------------------|--|--|--|--|
| US 2001054087 | A1 | 20-12-2001 | AU WO | 5574201 A 0182031 A2 | 07-11-2001 01-11-2001 | |
| US 6112206 | A | 29-08-2000 | US US US US US US US US | 5671436 A 5568645 A 5349678 A 6614768 B1 5790536 A 6714983 B1 6694359 B1 5726984 A 5987499 A | 23-09-1997 22-10-1996 20-09-1994 02-09-2003 04-08-1998 30-03-2004 17-02-2004 10-03-1998 16-11-1999 | |